Polyurethane Injection Resin Systems Table

Products	Viscosity (cP,23C)	Mixing Rate	Structure	Start of Reaction	End of Reaction	Dilatation Injection	Crack Injection	Ground Stabilization	Mining and Tunneling	Dams
PURINSEAL EN 101	550 cP	10% Catalyst	Forms a flexible, closed-cell foam when in contact with water.	20 sec	150 sec	✓	✓		✓	✓
PURINSEAL EN 105	400 cP	10% Catalyst	Forms a very flexible, closed-cell foam when in contact with water.	10 sec	100 sec	✓	✓		✓	✓
PURINSEAL EN 106	400 cP	5% Catalyst	Forms a very flexible, closed-cell foam when in contact with water.	10 sec	70 sec	✓	✓		✓	✓
PURINSEAL EN 112	<100cP	5% Catalyst	Forms a semi-rigid foam when in contact with water.	10 sec	135 sec		✓		✓	✓
PURINSEAL EN 113	100 cP	10% Catalyst	Forms a flexible, closed-cell foam when in contact with water.	10 sec	90 sec	✓	✓		✓	✓
PURINSEAL EN 114	120 cP	1% Catalyst	Forms a semi-rigid foam when in contact with water.	10 sec	120 sec			✓	✓	
PURINSEAL EN 115	200 cP	5% Catalyst	Forms a semi-rigid foam when in contact with water.	5 sec	75 sec	✓	✓		✓	✓
PURINSEAL EN 116	200 cP	5% Catalyst	Forms a semi-rigid foam when in contact with water.	18 sec	95 sec	✓	✓		✓	✓
PURINSEAL EN 301	150 cP	Without Catalyst	Forms a semi-rigid foam when in contact with water.	20 sec	140 sec		✓		✓	✓
PURINSEAL EN 401	250 cP	1:1	Forms a water-tight, flexible elastomeric gasket (70 shore A)	Pot Life: 40 min		✓	✓	✓	✓	✓
PURINSEAL EN 402	400 cP	1:1	Forms a water-tight, rigid elastomeric gasket (70 shore D)	20 sec	40 sec			✓	✓	
PURINSEAL EN 403	300 cP	1:1	Forms a rigid foam in anhydrous environment	10 sec	80 sec			✓	✓	
PURINSEAL EN 404	350 cP	1:1	Forms rigid foam when in contact with water and forms a rigid elastomeric gasket in anhydrous environment.	20 sec	140 sec		✓	✓	✓	
PURINSEAL EN 404S	350 cP	1:1	Forms rigid foam when in contact with water and forms a rigid elastomeric gasket in anhydrous environment.	50 sec	500 sec		✓	✓	✓	
PURINSEAL EN 405	325 cP	1:1	Forms rigid foam in anhydrous environment, expands x1 of its volume (70 shore D)	40 sec	120 sec			✓	✓	
PURINSEAL EN 406	580 cP	1:1	Forms flex foam when in contact with water and forms a flex elastomeric gasket in anhydrous environment.	5 sec	230 sec	✓	✓		✓	✓
PURINSEAL EN 450	200 cP	1:1	Forms a very flexible, closed-cell foam, foaming reaction only takes place in direct contact with water	15 sec	80 sec	✓	✓		✓	✓